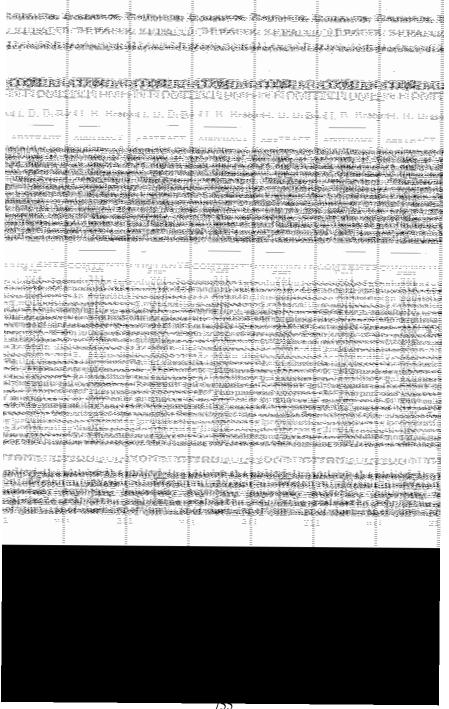
[J. Res. Natl. Inst. Stand. Technol. 105, 755-777 (2000)]

### Treasure of the Past: IV

This paper from the Bureau of Standards Journal of Research, Vol. 11, No. 2, 1933, pp. 211-231, is reprinted to commemorate the NIST Centennial on March 3, 2001. Ten papers have been selected from the Journal and its predecessors for this purpose, one from each decade of NIST's existence. They appear in 10 of the 12 issues of the Journal published in 2000 and 2001, starting with the March–April 2000 issue (Vol. 105, No. 2). The papers have been selected to reflect the breadth and excellence of the work carried out at NIST during its first century. For further information, see the Message From the Chief Editor on p. iii of the May-June 2000 issue (Vol. 105, No. 3).



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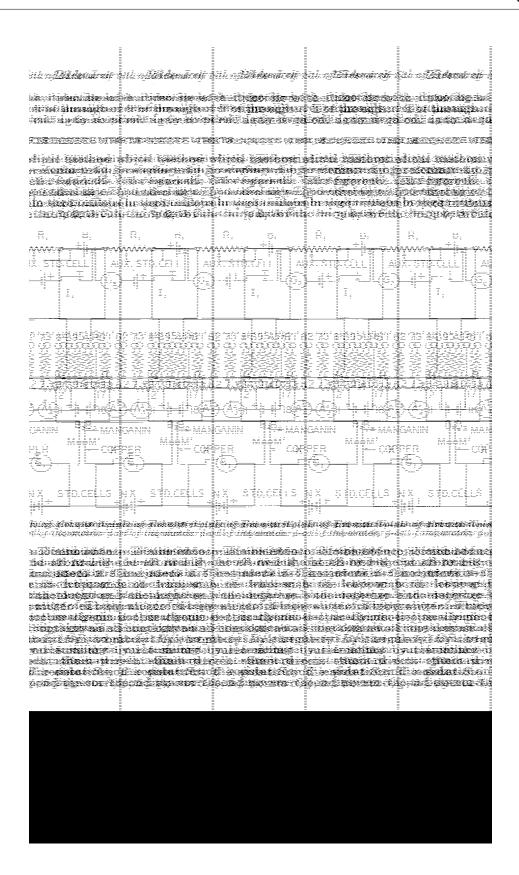
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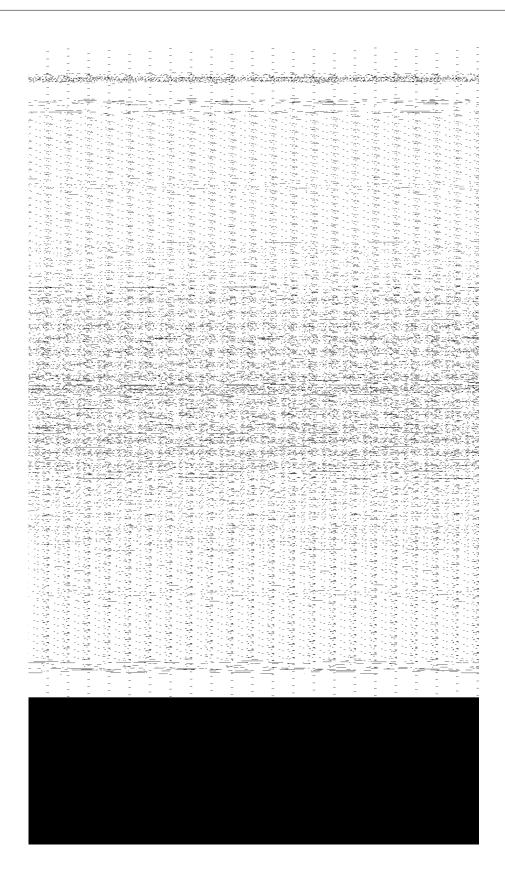
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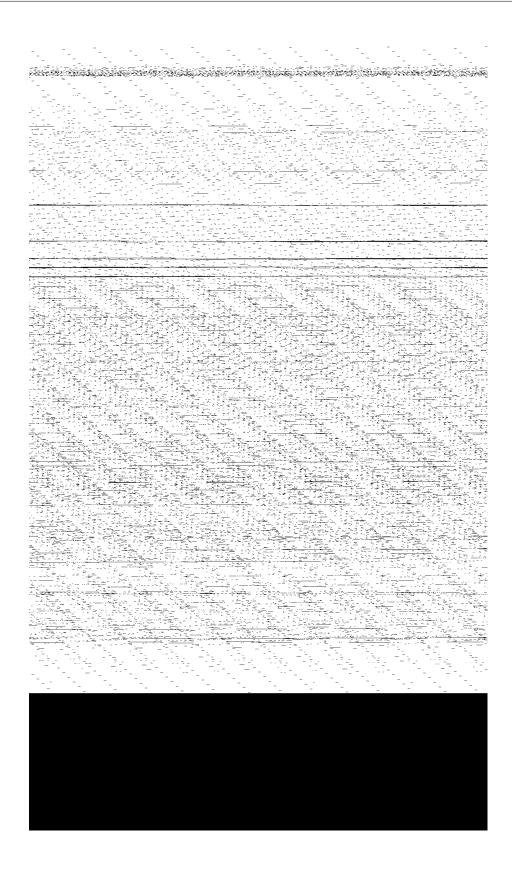


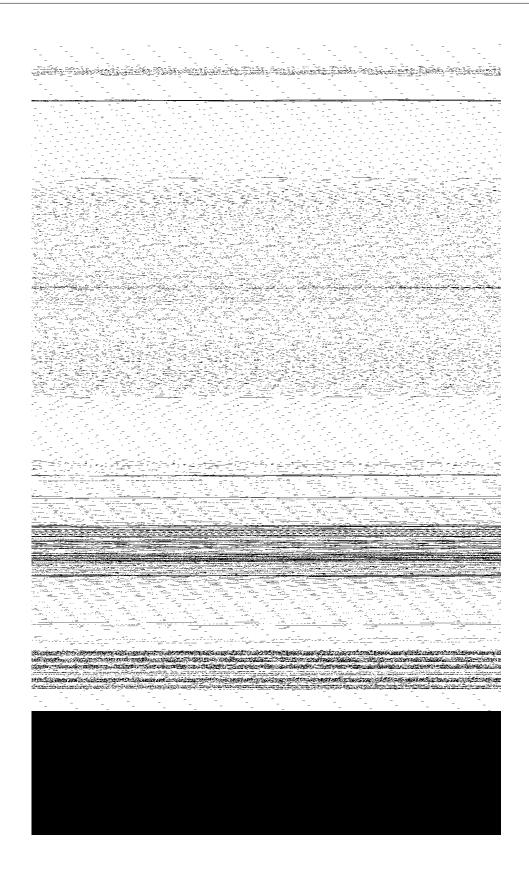
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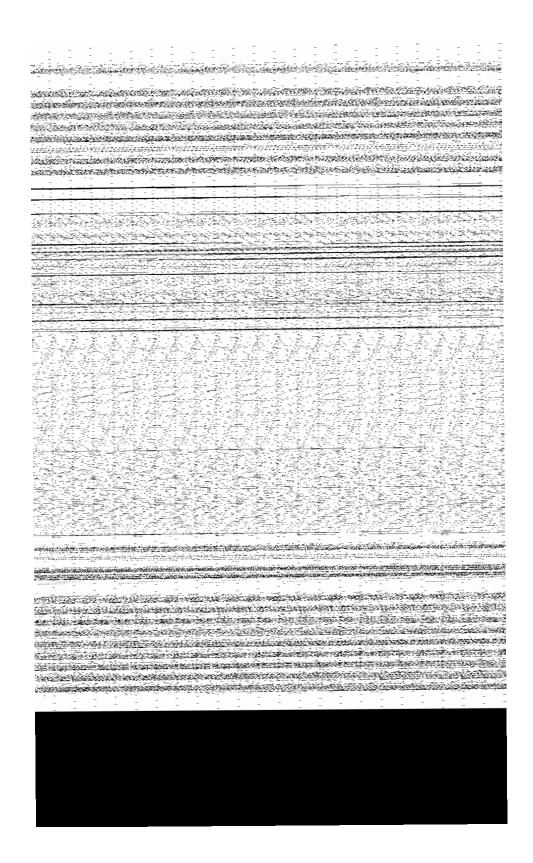




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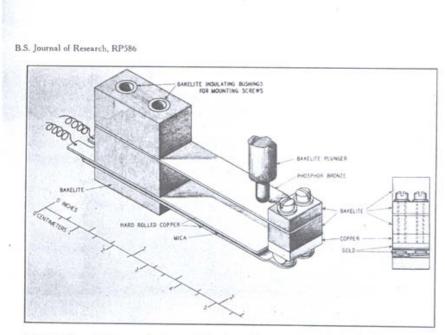
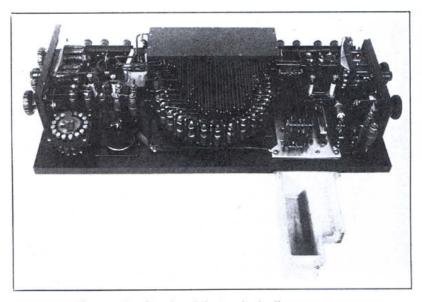


Figure 6.—Galvanometer key embodying refinements to minimize thermal emf.

#### B.S. Journal of Research, RP586



Figure 7.—The standard-cell comparator from a photograph.



 ${\bf Figure~8.} {\color{red} - Interior~of~the~standard-cell~comparator.}$ 

Centrally located at the top is the bakelite box containing the main-dial resistor. The tap wires from this resistor extend downward to the substitution coils of the main dial. The aluminum box which normally encloses the thermofree keys and the copper shunt coil has been removed to show these details.

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[J. Res. Natl. Inst. Stand. Technol. 105, 779 (2000)]

# Errata

## Erratum: The NIST Length Scale Interferometer

John S. Beers and William B. Penzes

National Institute of Standards and Technology, Gaithersburg, MD 20899-0001

[J. Res. Natl. Inst. Stand. Technol. Volume 104, Number 3, May-June 1999, p. 225]

The caption for Fig. 13 on p. 243 should be **Fig. 13.** Effect of atmospheric  $CO_2$  concentration on laser wavelength.

[J. Res. Natl. Inst. Stand. Technol. 105, 781 (2000)]

## Errata

## Erratum: Possible Advantages of a Robust Evaluation of Comparisons

#### Jörg Müller

Bureau International des Poids et Mesures, F-92312 Sevres, France

[J. Res. Natl. Inst. Stand. Technol. Volume 105, Number 4, July-August 2000, p. 551]

On p. 554, the sixth line down in the right-hand column should be as follows:

If t is located between  $y_{-1}$  and  $y_1$ :  $Q = y_1 - y_{-1} = Q_0$ .